

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 713 AND W.B. MD 100 RAMPS IN ANNE ARUNDEL COUNTY. THE WORK IS NECESSITATED BY THE CONSTRUCTION OF AN ADDITIONAL LANE ON S.B. MD 713 AND THE CONSTRUCTION OF A FREE RIGHT TURN LANE FROM E.B. MD 176 TO S.B. MD 713. MD 713 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

MD 713 AND W.B. MD 100 RAMPS
THE INTERSECTION CURRENTLY OPERATES IN A NEMA FOUR-PHASE, FULLY-ACTUATED MODE WITH A LAG EXCLUSIVE LEFT TURN PHASE FOR N.B. MD 713. THIS OPERATION WILL NOT CHANGE.

CONTROLLER REQUIREMENTS

MD 713 AND W.B. MD 100 RAMPS
THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A NEMA "6" BASE MOUNTED CABINET WILL BE USED.

SPECIAL NOTE:

INTERCONNECT CABLE EXISTS BETWEEN THE INTERSECTION OF MD 713 & MD 176 AND THE INTERSECTION OF MD 713 & THE MD 100 EASTBOUND RAMPS. THE CONTRACTOR SHALL ATTEMPT TO REUSE THIS CABLE WHERE POSSIBLE. IF NOT POSSIBLE, A NEW 12-PAIR, VOICE GRADE INTERCONNECT CABLE SHALL BE INSTALLED.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY DESCRIPTION

SEE SHEET TS-3227B GI FOR QUANTITIES

REDLINE REVISION NO. 1 MATERIAL CHANGES FOR EQUIPMENT LIST "B"

QUANTITY	DESCRIPTION
+150 LF	4 IN. PVC ELECTRICAL CONDUIT - TRENCHED
+70 LF	ONE 3 IN. AND ONE 4 IN. PVC ELECTRICAL CONDUIT - SLOTTED IN SAME TRENCH
600' LF	DISCONNECT, PULL BACK & RE-ROUTE CABLE

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO. QUANTITY DESCRIPTION

NONE

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 841-1003

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1002

MR. JOHN MAYS
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 841-1005

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

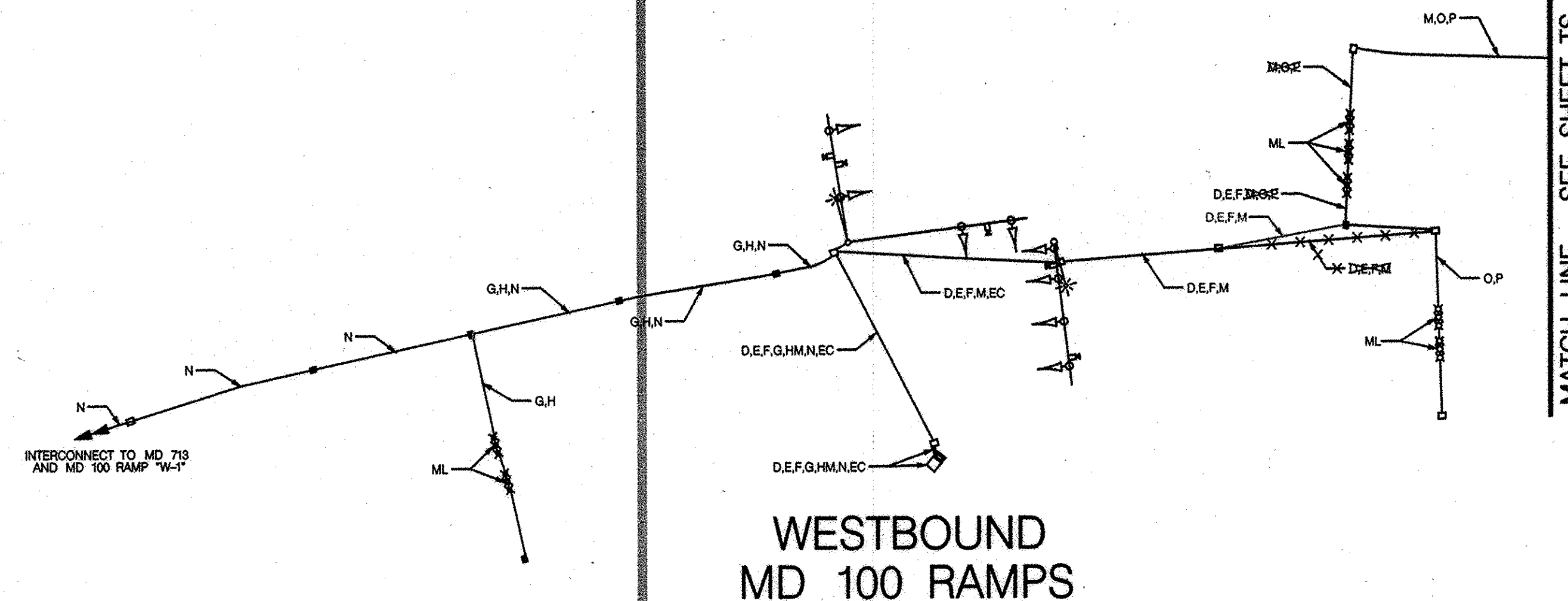
EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

ITEM NO. QUANTITY DESCRIPTION

NONE

WIRING DIAGRAM



WESTBOUND
MD 100 RAMPS

WIRING KEY

A-C	VIDEO DETECTION CABLE
D-H	MICRO-LOOP PROBE LEAD-IN
I	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
J-L	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
M-N	12-PAIR VOICE GRADE INTERCONNECT CABLE
O-P	MICRO-LOOP PROBE LEAD-IN
Q	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
R	2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
EC	EXISTING CABLE
ML	MICRO-LOOP PROBE
EML	EXISTING MICRO-LOOP PROBE
X	GROUND ROD

REDLINE REVISION NO. 2

TEDD APPROVAL *Tedd A. Aka* DATE: 12/16/08

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

MD 713 AND MD 100 RAMPS

TRAFFIC **C**ONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

SCALE	NONE	DATE	JUNE, 2007	CONTRACT NO.	SHW00002
DESIGNED BY	T. ZAYDEL	COUNTY	ARUNDEL		
DRAWN BY	T. ZAYDEL	LOGMILE	02071303.05		
CHECKED BY	K. SCHMID	T.I.M.S. NO.			
F.A.P. NO.	NA	TOD NO.			
DRAWING NO.	TS 3228C GI	SHEET NO.	8	OF	8